

GP-303433

SURFACE TEXTURE CONFIGURATION FOR CVT PULLEY

ABSTRACT OF THE DISCLOSURE

A pulley engageable with a belt for use in a continuously variable transmission includes first and second pulley halves rotatable about an axis and relatively moveable in a direction of the axis. The pulley halves include

5 truncated conical portions symmetrically opposed to each other and outer surfaces which are axially opposed to each other and sloped relative to the axis. The outer surfaces have a circumferential roughness average ($R_{a,y}$) measured in a direction (y) circumferential to the axis between approximately 0.15 and 1.0 micrometer. The outer surfaces have a radial roughness

10 average ($R_{a,x}$) measured in a direction (x) radial to the axis, and a ratio $R_{a,x}/R_{a,y}$ between approximately 0.5 and 2.5.